

PATENT ABSTRACTS OF JAPAN

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(54) CHITOSAN MICROPARTICLE

(57)Abstract:

PURPOSE: To obtain the title highly pure microparticles having a very fine average particle diameter and being useful as, e.g., a carrier material in the medical field, by spray-drying an acidic aqueous solution of chitosan.

CONSTITUTION: Chitosan obtained by deacetylating chitosan present in the integuments of Crustacea such as crabs or lobsters is dissolved in a 0.1W10wt% aqueous solution of an acid such as acetic acid or hydrochloric acid to obtain an acidic aqueous solution of chitosan of a concentration of 0.05W20wt%. This solution is spray-dried without a coagulant, a suspending agent or the like by spraying into hot air of 100W180°C to obtain the title microparticles of an average particle diameter ≤10μ.